



SOLAR CHARGE CONTROLLER

◆DESCRIPTION:

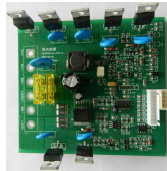
A [solar charge controller](#) is a small box consisting of solid state circuitry that is placed between a solar panel and a battery. Its function is to regulate the amount of charge coming from the panel that flows into the deep cycle battery bank in order to avoid the batteries being overcharged. A solar panel controller can also provide a direct connection to appliances, while continuing to recharge the battery.

◆FEATURES:

- PWM Charging:** high charge efficiency and greatly extends the battery life.
- MOSFET as Electronic Switch:** makes the controller a longer life.
- Protection Functions:** makes the system be more secure and reliable, includes overcharge protection, deep discharge protection, reverse polarity protection of module/battery/load, short circuit protection of module/load, open circuit protection without battery, over-temperature protection, battery overvoltage shutdown.
- LCD Display:** real-time shows the system status of charging, discharging and fault.
- Sufficient Design Margin:** maximum capacity exceeds 20% as the rated current/power, which makes the system more secure.
- Intelligent Cooling Fans:** it is controlled by the real-time heat sink's temperature, which makes the fan a longer life and saving energy.
- Metal Case:** after spray treatment, the controller is more beautiful and durable.



LCD Display



MOSFET as Electronic Switch



Intelligent Cooling Fans



3 years

RoHS CE



◆PRODUCT MODELS:



Model	Specification	Pic	Model	Specification	Pic
GLC12(24)05CY	12/24v, 5A	①	GLC12(24)40LN	12/24v,40A	②
GLC12(24)10CY	12/24v,10A		GLC12(24)50LN	12/24v,50A	
GLC12(24)15CY	12/24v,15A		GLC12(24)60LN	12/24v,60A	
GLC12(24)20CY	12/24v,20A		GLC4840LN	48v,40A	
GLC12(24)30LY	12/24v,30A		GLC4850LN	48v,50A	
GLC4830LY	48v,30A	②	GLC4860LN	48v,60A	③
GLC12(24)40LY	12/24v,40A		GLC12(24)100LN	12/24v,100A	
GLC12(24)50LY	12/24v,50A		GLC12(24)150LN	12/24v,150A	
GLC12(24)60LY	12/24v,60A		GLC48100LN	48v,100A	
GLC4840LY	48v,40A		GLC48150LN	48v,150A	④
GLC4850LY	48v,50A		GLC11050LN	110v,50A	
GLC4860LY	48v,60A		GLC22050LN	220v,50A	

REMARK: GLC - Green Light Energy Controller,

C - Common, L - LCD display,

Y - With output, N - Without output

◆WIRING DIAGRAM:

